

POKORNY, J.; JEZKOVA, Z.; Technicka spoluprace: HORSKA, E.

Immunologic reactions in various cardiovascular diseases.
Cas. lek. cesk. 104 no.31:833-836 30 J1 '65.

1. Angiologicka laborator fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. Z. Reinis, DrSc.), IV. interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. M. Fucik) a Ustav hematologie a krevni transfuze v Praze (prednosta prof. dr. J. Forejsi, DrSc.).

PONTUCH, F.; GAZAREK, F.; DRAC, P.; POKORNY, J.; UHER, M.; HRADECKY, L.;
KOHOUTEK, M.; ZIDEK, J.; CECHE, E.; CERVENKA, J.; NEMEC;
NOVAKOVA, J.

Perinatal mortality in premature labor. Cesk. gynek. 29
no.6:459-466 Ag '64.

1. I. gyn.-por. klin. Lek. fak. University Komenskeho v
Bratislave (prednosta prof. dr. S. Stefanik); Gyn.-por.
klin. Lek. fak. Palackeho University v Olomouci (prednosta
doc dr. F. Gazarek, CSc.); Gyn.-por. odd. Mestskeho ustavu
narodniho zdravi v Brne (veduci MUDr. Nemec); I. gyn.-por.
klin. Lek. Fak. University J.E. Purkyne v Brne (prednosta
prof. dr. L. Havlasek [deceased]); II. gyn.-por. klin. Lek.
fak. University J.E. Purkyne v Brne (prednosta doc. dr. M. Uher,
CSc.); Gyn.-por. klin. Lek. fak. Karlovy University v Plzni
(prednosta prof. dr. V. Mikolas); I. gyn.-por. klin. Fak. vseob.
lek. Karlovy University v Prahe (prednosta prof. dr. K. Klaus,
DrSc.); Gyn.-por. klin. Lek. fak. University P.J. Safarika v
Kosiciach (prednosta doc. dr. K. Poradovsky, CSc.).

POKORNY, J., (Praha 6, Technicka 1905); ZMAIN, H.

Influence of heavy metals on the inhibition of enzymatic oxidation of lipids by phenolic antioxidants. Cesk. hyg. 10 no.3: 257-260 My'65.

1. Katedra chemie a zkouseni potravin VSCHT, Praha 2.

POKORNY, J.; NOVAKOVA, M.; AVRATOVA, L.

Importance of hospitalization of pathological pregnancy in the prevention of perinatal mortality. Cesk. gynek. 29 no.6:482-484 Ag '64.

1. Gyn.-por. klin. lek. fak. University J.E. Purkyne v Brne (podnosta prof. dr. L. Havlasek) a Novorozen. odd. fak. nem. krajskeho narodniho vyboru v Brne (vedouci MUDr. M. Schnellerova).

POKORNY, J.; AVRATOVA, L.; NOVAKOVA, M.

Is induced labor a suitable intervention? Cesk. gynek. 29
no.6:523-524 Ag '64.

1. I. gyn.-por. klin. lek. fak. v Brne (prednosta prof. dr.
L. Havlasek [deceased]) a Novoroz. odd. fak. nem. v Brne,
(vedouci MUDr. M. Schnellerova).

POKORNY, J.; AVRATOVA, L.

Amnioscopy as an early diagnostic method of beginning fetal hypoxia in pregnancy. Cesk. gynek. 29 no.6:496-498 Ag '64.

Application of forceps and their sequelae. Ibid.:553-556

1. I. gyn.-por. klin. lek. fak. University E.V. Purkyne v Brne (prednosta prof. dr. L. Havlasek).

POKORNY, J.; FISER, K.

The influence of phenolic antioxidants on changes and properties of cosmetic creams containing vegetable oil. Cesk. hyg. 10 no.5:314-318 Ja '65.

1. Katedra chemie a zkouseni potravin Vysoke školy chemicko-technologicke, Praha a Laborator pro metabolismus a hygienu kuze fakulty vseobecneho lekarstvi Karlovy University, Praha.

POJER, J., prof. MUDr.; MASTIK, C.; NINGER, E.; DOLIHAL, J. Technicka
spoluprace: TOVAREK, J.; POKORNY, J.

Hepatic changes in heart infarction. Bratisl. lek. listy 45
no.8:460-468 30 Ap '65.

1. III. vnitrni klinika Lekarske fakulty University J.E. Purkyne
v Brne (veduci : prof. MUDr. J. Pojer).

POKORNY, Jan; FISER, Karel

Seminar on evaluation of cosmetic preparations. Prum potravin
16 no.1:42 Ja '65.

STEMBEFA, Z.K.; KOTASEK, A.; TRNKA, V.; GAZAREK, F.; POKORNY, J.; KOLETA, F.

Asphyxia and perinatal mortality (antenatal and intranatal).
Cesk. gynek. 29 no.6:485-492 Ag '64.

PORADOVSKY, K.; KHRADICKY, L.; MACH, M.; KLUCKOVA, I.; POKORNY, J.;
PONTUCH, A.; ZAJACOVA, E.

Obstetrical surgery and perinatal mortality. Cesk. gynek.
29 no.6:534-545 Ag '64.

1. Gyn.-por. klin. Lek. fak. University P.J. Safarika v
Kosiciach (prednosta doc. dr. K. Poradovsky, CSc,) Gyn.-
por. klin. Lek. fak. University Karlovy v Plzni (prednosta
prof. dr. V. Mikolas); Gyn.-por. klin. Lek. fak. University
J.E. Purkyne v Brne (prednosta prof. dr. L. Havlasek [deceased])
a Gyn.-por. klin. Lek. fak. University Komenskeho v Bratislave
(prednosta prof. dr. S. Stefanic).

POKORNY, J.

The vacuum extractor. Cas. lek. cesk. 103 no.46:1274-1279 13 N '64.

1. I. porodnicko-gynekologicka klinika lekarske fakulty University J.E. Purkyne v Brne (prednosta prof. dr. L. Havlasek).

ZASTERA, M.; HUENNER, J.; POKORNY, J., VALENTA, Z.

Isolation of *Toxoplasma gondii* from domestic fowl. (*Gallus gallus dom.*). *Cesk. epidem.* 14 no.3:168-169 My '65

1. Ustav epidemiologie a mikrobiologie, Praha, a Statni vyzkumny veterinarni ustav, Praha.

POKORNY, J.

"Zone melting" by H. Schildknecht. Reviewed by J. Pokorny.
Chem listy 59 no.6:746-747 Je '65.

POKORNY, J.

In commemoration of Academician Vitezslav Vesely.
Chem listy 58 no.11:1369-1370 N '64.

PCKORNY, Jaroslav

Zone melting and its utilization in organic and in some
inorganic substances. Chem listy 59 no.6:649-671 Je '65.

1. Institute of Pure Chemicals, Brno.

SNARL, P.; Matematicko-statisticky zpracoval KRACIK, Vl.; Technicky spolu-
pracoval POKORNY, J.

Effect of castration on the level of blood lipids in young
women. Cas. lek. cesk. 103 no. 52:1390-1397 18 D : 64

1. Interni oddeleni nemocnice s poliklinikou v Liverci (vedoucí
MUDr. Vl. Munzar). 2. Vysoka skola strojní a textilní, Liberec
(for Kracik).

LICHTENBERG, J.; BARTOS, J.; VANOUSOVA, M.; POKORNY, J.

Prevention of gangrene and amputation in arteriosclerotic
obliterative diseases of the lower extremities. Cor Vasa 7
no.1:66-72 :65

1. 1st Surgical Clinic, Faculty of General Medicine, Carolina
University, Prague, Czechoslovakia.

BARTOS, J.; POKORNY, J.; ECKERT, V.; KRUSINA, L.; TEISINGER, P.;
Technická spolupráce: LUKASOVA, I.; SLIVOVA, L.; MATOUSOVIC, J.;
GRUNT, J.; DYLEVSKY, J.; DUBSKY, J.

Direct revascularization of the myocardium after experimental
infarction in dogs. Cas. lek. cesk. 102 no.26:725 28 Je '63.

1. I chirurgická klinika fakulty všeobecného lékařství KU v
Praze, přednosta prof. dr. J. Pavrovský IV interní klinika
fakulty všeobecného lékařství KU v Praze, přednosta prof. dr.
M. Fucík Radiologická klinika fakulty všeobecného lékařství
KU v Praze, přednosta prof. dr. V. Svab.
(MYOCARDIAL INFARCT) (VASCULAR SURGERY)
(CORONARY VESSELS) (ELECTROCARDIOGRAPHY)
(BLOOD PRESSURE) (THORACIC ARTERIES)

POKORNY, Jan; RUZICKA, Jiri

Changes in rape oil operational solidification. Prum potravin
15 no.8:392-393 Ag '64.

1. Higher School of Chemical Technology, Chair of Food Chemistry
and Testing, Prague (for Pokorny). 2. Severoceske tukove zavody
National Enterprise, Usti nad labem (for Ruzicka).

HRDLICKA, Jiri; POKORNY, Jan

Formation of volatile carbonyl derivatives in rape oil oxidation.
Prum petravin 15 no.8:400-401 Ag '64.

1. Higher School of Chemical Technology, Chair of Food Chemistry
and Testing, Prague.

ZAJIC, Jiri, inz. CSc.; VRANA, Jan, inz.; POKORNY, Jan, inz. CSc.

Bleaching of refined cotton seed fat acids. Prum potravin
15 no.9:475-477 S '64.

1. Higher School of Chemical Technology, Prague.

POKORNY, J.

The development of mogotes in the southern part of the Krakow Upland. Bul geolog PAN 11 no.3:169-175 '63.

1. Department of Physical Geography, Jagellonian University, Krakow. Presented by M. Klimaszewski.

ZEMAN, Ivo; POKORNY, Jan

Composition of fat acids in lipides of extracted rape groats.
Prum potravín 15 no. 6:289 Je '64.

1. Research Institute of the Fat Industry, Usti nad Labem
(for Zeman). 2. Chair of Food Chemistry and Testing, Higher
School of Chemical Technology, Prague (for Pokorny).

KRCILEK, A.; BAZIKA, V.; POKORNY, J.; SOUCKOVA, E.; TODOROVICOVA, H.
BLAZEK, K.; BRET, J.

Recurrent pulmonary embolism as a cause of chronic pulmonary
heart disease. Acta Univ. Carol. [med.] (Praha) 10: suppl.17:
31-42 '63

1. IV. interni klinika fakulty vseobecneho lekarstvi University
Karlovy v Praze (prednosta: prof. dr. M. Fucik) Ustredni labora-
tore FN; Ustredni vojenska nemocnice.

POKORNY, Jaroslav

Efficient and operative use of bonuses and rewards. Prace mada
13 no.2:52-56 F '65.

POKORNY, Jindrich, inz.

Automatic finishing lines for bars and belts. Automatizace
7 no.12:323-324 D '64.

1. Konstrukta National Enterprise, Trencin.

POKORNY, Jindrich, inz.

Telecommunication satellites. Sdel tech 12 no.1:24-25 Ja'64.

POKORNY, Jiri, dr.

Development of the information system in the consumer goods
industry. Drevo 19 no.9:358 S '64.

POKORNY, Jiri

Resonance in circuits with nonlinear reactances. El tech cas
15 no.7:385-395 '64.

1. Institute of Radio Engineering and Electrical Engineering,
Czechoslovak Academy of Sciences, Prague 8- Kobylišy, Lumumbova 1.

POKORNY, Josef

Preparation of carbon oxysulfide. Chem prum 14, no.5:265-266 My '64.

1. Chair of Inorganic Chemistry, Higher School of Chemical Technology, Prague.

POKORNY, Josef, inz. CSc.

New graphic method of planning repairs of building machines.
Ins stavby 12 no.1:Suppl.:Mechanizace no.1:12-14 '64.

1. Vyzkumny ustav pozemnich staveb, Praha.

POKORNY, Jan. dr.

Food literature in 1962/63 and the publishing plan for 1964.
Prum potravin 15 no.5:254-255 My '64.

POKORNY, J.

Our experience with Shirodkarov's operation in incompetence
of the cervix uteri in pregnancy. Cesk. gynek. 29 no.4:
259-262 My'64

1. Gyn.-por. odd. ZUNZ [Zavodni ustav narodniho zdravi] v
Gottwaldove; vedouci: MUDr. J. Pokorny.

POKORNY, J.; HAVLASEK, L.: [deceased]; VITAK, B.

New data on analysis of meternal mortality in 1962. Cesk.
gynek. 29 no.4:290-294 My'64

1. I por.-gyn. klin. lek. fakulty UJEP [University J.E.Purkyne]
v Brne (prednosta: prof. dr. L.Havlassek [deceased]) a Odbor peci
o zenu a dite MZd (vedouci : MUDr. O.Stolova).

PORRNY, J., Jr.

Cooperation of the Czechoslovak Scientific Technological Society
with the Government Publishing House of Technical Literature. Pr
potravin 15 no.3:132-133 Mr 'n4.

SNAID, V.; BUDINSKA, E.; CERNOC, A.; FINKOVA, A.; GAZAREK, F.; POKORNY, J.;
RAFFAJ, K.

Diagnosis and surgical treatment of insufficiency of the cervix
uteri in pregnancy. Cesk. gynek. 29 no. 4: 254-258 My'64

SNABL, P. Technická spolupráce: POKORNY, J.

Spectrum of blood lipids in relation to a flare-up of atherosclerotic disorders of the organs. Cas. lek. česk. 103 no.21: 582-587 22 My'64

1. Interní oddelení nemocnice s poliklinikou v Liberci; vedoucí: MUDr. V. Munzar.

POKORNY, J.

Technical literature in the Month of the Book. Kvasny
prum 10 no. 3: 68 Mr '64.

KOHN,R.; POKORNY,J.;

Essential fatty acids and acids with a trans-configuration
in subcutaneous and visceral fat in newborn infants. Cesk.
pediat. 18 no.11:1021-1026 N'63.

1. Katedra neononion pediatric fakulty detskeho lekarstvi
KU z Praze (vedouci: prof.dr. J.Svejcar) a Vysoke skoly
chemicko-technologicke v Praze,(vedouci: prof. G.Janicek).

*

POKORNY, J.

Our anesthesiological method in the surgical treatment of gunshot wounds of the lung. Rozh. chir.: 42 no. 11: 831-838 N°63.

1. Anesteziologicke oddeleni UVN v Praze; vedouci: MUDr. J. Pokorny, CSc.

*-

POKORNY, J.

Czechoslovakian nomenclature in anesthesiology. Rozh. chir.
42 no.9:649-653 S '63.

1. Anesteziologicke oddeleni UVN v Praze.
(NOMENCLATURE) (ANESTHESIOLOGY)

POKORNY, J.; FILIPEK, I.; JANICEK, G.

Assessment of the rancidity of fats by Wode's benzidine test.
Cesk. hyg. 8 no.3:147-152 Ap '63.

1. Vysoka skola chemicko-technologicka, Praha.
(FATS) (COLORIMETRY) (BIPHENYL COMPOUNDS)

2
CZECHOSLOVAKIA

POLEJ, B; POKORNY, J; CUTA, F.

Institute of Analytic Chemistry of the Technical Higher
School of Chemistry (Institut für analytische Chemie
der Technischen Hochschule für Chemie), Prague
(for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 12, 1963, pp 3438-3442

"Determination of Nitrites in the Presence of Hydroxydes,
Carbonates and Hydrogencarbonates of Alkali Metals
through Azidimetric Titration."

POKORNY, J.

"Conductivity and dielectric measurements in chemical analysis"
by J. Bercik. Reviewed by J. Pokorny. Chem zvesti 17 no.8:
601-603 '63.

POKORNY, J.; KOHN, R.; PLISKA, V.

Effect of dietary fats on the lipid content of human milk.
Cesk. gastroent. vyz. 17 no.6:371-378 S '63.

1. Katedra chemie a zkouseni potravin Vysoke školy chemicko-
technologicke v Praze I detska klinika fakulty detskeho lekarstvi
KU v Praze Ustav chemie a biochemie CSAV v Praze.
(DIETARY FATS) (MILK, HUMAN)
(LIPIDS) (SEASONS)

CZECHOSLOVAKIA

DOLIHAL, J; TOVAREK, J; POKORNY, J.

Third Internal Medicine Clinic of the Medical Faculty of
J. E. Purkyne University (III. vnitřní klinika ~~le~~
lékarské fakulty University J. E. Purkyne), Brno (for all)

Prague, Vnitřní lékařství, no 10, 1963, pp 1010-1013

"The Clinical Picture of Acute Intermittent Porphyr~~ia~~."

CZECHOSLOVAKIA

POKORNY, J; POKORNA, V.

1. Institute of Hygiene (Ustav hygieny), Prague; 2. KHES, Prague

Prague, Ceskoslovenska hygiena, No 9, 1963, pp 527-532

"Contribution to the Appearance of Microbes of Phosphorus Cycle in Surface Water."

POKORNY, J.

Changes of bacterial infestation in decomposition of the dead mass
of *Sphaerotilus natans*. Cesk. hyg. 8 no.1:41-46 P '63.

1. Ustav hygieny, Praha.
(SPHAEROTILUS)

(SEWAGE)

HAVLASEK, L.; POKORNY, J.

Prevention of mortality in obstetrical surgery. Cesk. gyn. 28 no.1/2:
77-90 F '63.

1. I. por. gyn. klin. lek. fak. UJEP v Brne, prednosta prof. dr.
L. Havlasek.

(DELIVERY)	(PREGNANCY COMPLICATIONS)
(MATERNAL MORTALITY)	(SURGERY OPERATIVE)

POKORNY, J.

main 2

CSSR

POKORNY, J., FILIPEK, I., JANICEK, G.

Chemical-technological academy (Vysoka skola chemicko-technologicka),
Prague

Prague, Ceskoslovenska Hygiena, No 3, 1963, pp 147-152

"Evaluation of the Rancidity of Fats by means of Wode's Benzidine Test"

POKORNY, J.

Ten years of the Slovak Publishing House of Technical Literature.
Kvasny prum 9 no.2:41 F '63.

CZECHOSLOVAKIA

BARTOS, J., POKORNY, J., ECKERT, V., KRUSINA, L., and TEISINGER, P., with technical cooperation of LUKASOVA, I., SLIVOVA, L., MATOUSOVIC, J., GRUNT, J., DYLEVSKY, J., and DUBSKY, J., First Clinic of Surgery (I. chirurgicka klinika), Faculty of General Medicine (Fakulta vseobecneho lekarstvi), Charles University, Prague, Prof. Dr. PAVROVSKY, director; Fourth Clinic of Internal Medicine (IV. interni klinika), Faculty of Internal Medicine, Charles University, Prague, Prof. Dr. M. FUCIK, director; Radiological Clinic (Radiologicka klinika), Faculty of General Medicine, Charles University, Prague, Prof. Dr. V. SVAB, director, [individual affiliations cannot be determined].

"Direct Revascularization of Myocardium Following an Experimental Infarct in Dogs"

Prague, Casopis Lekaru Ceskych, Vol CII, No 26, 28 June 63, p 725.

Abstract: Experiments lead to the following conclusions:

1. Anastomosis between the system and coronary artery is feasible even with a pulsating heart. 2. Infarct-like changes were observed following the tying of r. interventricularis. A partial adjustment took place following anastomosis. 3. Microscopic examination showed ischemic deposits in dogs with anastomosis

1/2

POKORNY J.

1
CZECHOSLOVAKIA

SISTEK, J., MD; POKORNY, J., MD.

1. Third Gynecological-Obstetrical Clinic FDL of Charles University (III. gynekologicko-porodnicka klinika FDL KU), Prague; 2. Anesthesiological Ward UVN (Anesteziologicke oddeleni UVN), Prague (for all)

Prague, Prakticky lekar, No 6, 1963, pp 217-219

"Resuscitation of New Born in the Delivery Room."

POKORNY, Jan, inz., C.Sc.; PISECKY, Jan, inz., dr.; KOHN, Rudolf, MUDr.

Lasting properties of the dried baby milk. Prum potravin 14 no,3:
139-143 Mr '63.

1. Vysoka skola chemicko-technologicka, katedra chemie a zkpuseni
potravin, Praha (for Pokorny). 2. Prumysl mlecne vyzivy, n.p.,
oddeleni technologickeho vyzkumu, Praha (for Pisecky). 3. I. detska
klinika Karlovy university, Praha (for Kohn).

KRACMAR, J.; POKORNY, J.

Kofler's micromethods and their use in pharmacy. IV. The determination of eutectic temperature of drugs. Cesk. farm. 11 no.8:416-421 0 '62.

1. Statni ustav pro kontrolu leziv, Praha Katedra farmaceuticke chemie farmaceuticke fakulty Univerzity Komenskeho, Bratislava.
(CHEMISTRY, PHARMACEUTICAL) (MICROCHEMISTRY)

VESELY, V.; MALENICKY, M.; POKORNY, J.

Report on the meeting of the Section Fats of the International
Union of Pure and Applied Chemistry in Prague. Chem listy 57
no.1:103 Ja '63.

DAVIDEK, J.; POKORNY, J.; POKORNA, V.

Analysis of dyes in lipstick by means of thin layer chromatography.
Cesk. hyg. 7 no.9:548-554 0 '62.

1. Katedra chemie a zkouseni potravin Vysoke skoly chemicko-technologické,
Praha.

(DYES)

(COSMETICS)

Z/003/63/000/004/601/603
E073/E182

AUTHOR: Pokorný, Jindřich

TITLE: Automatic lunar station

PERIODICAL: Křídla vlasti, no.4, 1963, 98-99

TEXT: This is a popular review article on the subject of Moon exploration. Automatic Moon probes are to be fitted with special gravimeters to determine more accurately the specific gravity of the Moon as well as its substance. The existence or non-existence of petroleum on the Moon would settle the ancient dispute as to whether oil is of organic or inorganic origin. It will be necessary to re-examine the magnetic field of the Moon. Radiometric measurements from Earth indicate that ice crystals are present up to a depth of 800 m. Troitskiy is of the opinion that the lunar surface does not consist of fine powder but of a porous substance. Measurements of the intensity of the radio radiation of the Moon at a wavelength of 1.5 to 50 cm have shown that the temperature of the lunar rocks at a depth of 15 - 20 m is about 25 °C higher than at the surface, which can only be attributed to the existence of a very hot core. According to the Radiophysics Institute at Gor'kiy, the temperature

Card 1/2

Z/003/63/000/0047001/003
E073/E182

AUTHOR: Pokorný, Jindřich

TITLE: Automatic lunar station

PERIODICAL: Křídla vlasti, no.4, 1963, 98-99

TEXT: This is a popular review article on the subject of Moon exploration. Automatic Moon probes are to be fitted with special gravimeters to determine more accurately the specific gravity of the Moon as well as its substance. The existence or non-existence of petroleum on the Moon would settle the ancient dispute as to whether oil is of organic or inorganic origin. It will be necessary to re-examine the magnetic field of the Moon. Radiometric measurements from Earth indicate that ice crystals are present up to a depth of 800 m. Troitskiy is of the opinion that the lunar surface does not consist of fine powder but of a porous substance. Measurements of the intensity of the radio radiation of the Moon at a wavelength of 1.5 to 50 cm have shown that the temperature of the lunar rocks at a depth of 15 - 20 m is about 25 °C higher than at the surface, which can only be attributed to the existence of a very hot core. According to the Radiophysics Institute at Gor'kiy, the temperature

Card 1/2

Automatic lunar station

Z/003/63/000/004/001/003
E073/E182

at a depth of 50-60 km from the Moon surface is about 1000 °C. The increase in temperature as a function of the increase in wavelength indicates that the Moon crust has a homogeneous structure down to a depth of 15 - 20 m. According to Kozyrev, gases penetrate to the surface in certain areas and it is not known whether this is due to volcanic activity or to a flow of cold sub-surface gases. Automatic measurement of the temperature at various depths and seismographic recordings of the Moon surface would give a better idea of the composition and origin of the Moon. ✓
Moonquakes will assist in determining the probable composition of the Moon. The existence of remnants of organic life and of residues of an atmosphere will also be investigated.
There are 3 figures.

Card 2/2

POKORNY, J.

DAVIDEK J.

CZECHOSLOVAKIA

no academic degree indicated

Department for Chemistry and Foodstuff Testing, Chemical Polytechnics (Katedra chemie a zkouseni potravin Vysoke skoly chemicko-technologicke), Prague.

Prague, Ceskoslovenska Hygiena, No 9, Oct 62, pp 548-554.

Analysis of Dyes in Lipstick by Means of Thin Layer Chromatography"

Co-authors:

POKORNY, J.

same as above

→ POKORNA, V.

" " "

KOHN, R.; POKORNY, J.

Effect of seasons and of soy oil supplement on the content of essential fatty acids in human milk. Cesk. gyn. 27 [41] no.6/7:556-562 Apr '62.

1. Katedra nemoc. pediatrie I. det. klin. KU v Praze, predn. prof.
dr. Svejcar, DrSc. Katedra chemie a zkouseni potravin Vysoke školy
chem. technol. v Praze, prednosta prof. inz. G. Janicek.
(SEASONS) (SOY BEANS) (FATTY ACIDS ESSENTIAL)
(MILK HUMAN)

SNABL, P.; mathematisch-statistische Bearbeitung: KRAOIK, V.; technische
Mitarbeit: POKORNY, J.; BARTONOVA, M.

The dynamics of arteriosclerosis fat metabolism disorders and their
diagnosis by biochemical investigation. Cor vasa 4 no.3:232-242 '62.

1. Krakenhaus mit Poliklinik in Liberec, CSSR.
(FATS metabolism) (ARTERIOSCLEROSIS metabolism)
(MYOCARDIAL INFARCT metabolism) (CHOLESTEROL blood)

ZALUD, Jiri; DANICKOVA, Helena; POKORNY, Jan

Stabilizing nonsaturated fat acids by transforming them into
carbamide complex compounds. Prum potravin 13 no.12:660-661
D '62.

1. Severoceska tukove zavody, n.p., Usti nad Labem (for Zalud
and Danickova). 2. Vysoka skola chemicko-technologicka,
fakulta potravinarske technologie, Praha.

POKORNY, Jaroslav

Standardization of work and the wage system. Prace mzda 10
no.11:488-491 N '62.

POKORNY, J.

POKORNY, J.

CZECHOSLOVAKIA

CSSR

Institute of Hygiene (Ustav hygieny), Prague

Prague, Ceskoslovenska hygiena, No 1, 1963, pp 41-46

"Changes in Bacterial Infestation during Decomposition of the Dead Mass
of Sphaerotilus Natans"

POKORNY, J.; KRACMAR, J.; KELLER, V.

The Kofler block and possibilities of its use in pharmacy. V.
Determination of the temperature of critical mixtures. Cesk.
farm. 13 no. 1:23-29 Ja'64.

1. Katedra farmaceuticke chemie farmaceuticke fakulty UK,
Bratislava, a Statni ustav pro kontrolu leciiv, Praha.

*

POKORNY, J.; PUCHMAYER, V.

Czechoslovakian cardiological congress. Cas.lek. cesk. 103
no.10:275-277 6 Mr'64.

1. IV interni klinika fakulty vseobecneho lekarstvi KU v
Praze; prednosta: prof.dr.M.Fucik.

*

FLACH, A.; FABIAN, J.; POKORNY, J.; POCTA, J.; DUFEK, V.

Interruption of prolonged ventricular tachycardia with an electrical charge. Cas. lek. cesk. 102 no.48:1330-1331 29 N '63.

1. Interni a anesteziologicke oddeleni UVN, Praha-Stresovice,
vedouci doc. dr. V. Dufek, CSc., a MUDr. J. Pokorny, CSc.

*

POKORNY, J.

Cooperation between the Czechoslovak Scientific and Technological Society and the State Publishing House of Technical Literature. Kvasny prum 10 no. 2: 3 of cover F '64.

1. Statni nakladatelstvi technicke literatury.

POLEJ, B.; POKORNY, J.; GUTA, F.

Determination of nitrites in the presence of hydroxides, carbonates, and hydrogen carbonates of alkali metals by means of acidimetric titration. Coll Cz Chem 28 no.12:3438-3442 D '63.

1. Institut für analytische Chemie, Technische Hochschule für Chemie, Prag.

KOHN, R.; POKORNY, J.; ZEMAN, I.

Fatty acids in human milk determined with the aid of flame chromatography. Cesk. gastroent. 16 no.1:27-34 Ja '62.

1. I. detska klinika v Praze, prednosta prof. dr. J. Svejcar, katedra nemocnicni pediatrie Katedra chemie a zkouseni potravin Vysoka skola chem. technologie, Praha, prednosta prof. inz. G. Janicek Vyzkumny ustav pro tuky a oleje, Usti n. L.
(MILK HUMAN) (FATTY ACIDS)

POKORNY, J.; REINIS, Zd.; MESTAN, J.; PARTLOVA, O.

Ischemic disease of the heart in patients with thromboangitis
obliterans. Acta univ. carol. [med.] Suppl. 14:463-468 '61.

1. IV. interni klinika fakulty vseobecneho lekarstvi University
Karlovy v Praze, prednosta prof. dr. M. Fucik.
(THROMBOANGIITIS OBLITERANS compl) (CORONARY DISEASE etiol)

POKORNY, J.

TECHNOLOGY

periodicals: RUDY Vol. 6, no. 7, July 1958

POKORNY, J. Pegmatites. p. 237.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

POKORNY, J.

"More competitions helping the development of our country. p. 263."

SVET MOTORU. Praha, Czechoslovakia, Vol. 13, No. 9, April 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6, June 1959
Unclass.

POKORNY, J.; ZASTERA, M.; PRIVORA, M.; HUBNER, J.; JELEN, P.

Experiments on recovery of a breed of laboratory rats infected with
Leptospira icterohemorrhagica. Cesk. epidem. 11 no.2:109-114 Mr '62.

1. Ustav epidemiologie a mikrobiologie v Praze, Vyzkumny ustav prirod-
nich leci v Praze.

(LEPTOSPIROSIS experimental)
(OXYTETRACYCLINE pharmacol)
(CHLORTETRACYCLINE pharmacol)

SNABL, P.; MACHALEK, M.; POKORNY, J.; LEJSEK, J.; KLEINHAMPLOVA, J.
Statisticky zpracoval prom. statistik Vl. Kracik, as.VSS Liberec -
technicka spoluprace diplom. sestra MARTONOVA, M.

Clinico-statistical analysis of occlusive arterial diseases of the
lower extremities. Cas.lek.cesk 100 no.40:1269-1276 6 0 '61.

1. Interni oddeleni a Ustredni laborator MUNZ Liberec, prednosta MUDr.
P. Snabl, Interni oddeleni KUNZ Liberec, prednosta MUDr. Vl. Munzar,
ocni oddeleni MUNZ Liberec, prednosta MUDr. J. Lejsek.

(VASCULAR DISEASES PERIPHERAL)

KRACMAR, J.; POKORNY, J.; Technicky spolupracovala JASOVA, J.

Analytic determination of chlorides of 2-phenyl-3-methyl-tetrahydro-1,4-oxazinium (Dexfenmetrazin and Fenmetrazin Spofa). Cesk. farm. 11 no.1:7-14 '61.

1. Statni ustav pro kontrolu leziv, Praha Farmaceuticka fakulta University Komenskeho, Bratislava.

(PHENMETRAZINE chem)

SEDLAKOVA, E.; POKORNY, J.

Value of the clearance test in atherosclerosis. Cas.lek.cesk 100
no.29/30:924-928 14 J1 '61.

1. Angiologicka laborator KU v Praze, reditel prof. B. Prusik a
IV. interni klinika KU v Praze, prednosta prof. dr. M. Fucik.

(ARTERIOSCLEROSIS blood) (LIPOPROTEIN LIPASE pharmacol)

POKORNY, J.: KAKAC, B.

Determination of isooleic acid in solidified fats. p. 19

PRUMYSL POTRAVIN. (Ministerstvo potravinarskyho prumyslu) Praha, Czechoslovakia
Vol. 10, no. 1, Jan. 1959

Monthly List of East European ACCessions (EEAI), LV, Vol. 8, no. 7, July 1959
Uncl.

29(1)

CZECH/3-59-12-16/39

AUTHOR: Pokorný, J., Engineer

TITLE: Technical Details of a Cosmic Rocket

PERIODICAL: Křídla Vlasti, 1959, Nr 12, p 10 and upper half
of p 11 (CSR)

ABSTRACT: The 3-stage rocket was launched on 2 January 1959 (0900 CET) from an area NE of Ural lakes on the Europe-Asia border (47°N - 62.5°E). The rocket contained 5 transmitters; four transmitted scientific information, one was a reserve. The transmitters were designed solely of transistors and printed circuits. The release of 5 grams of sodium, at a pre-designated time, made possible the independent tracking of the rocket's flight trajectory. The evaluation of this photo-theodolitical observation took one week; the evaluation of the radio signals will take over half a year. STRUCTURE: The rocket, designated as MECHTA CH-10, was 3-staged. First stage was a modified ICBM, second stage used a modified rocket

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engine of an IRBM, and the third stage was especially designed for this purpose. Different from "Sputniks", the MECHTA CH-10's first stage had 2 additional solid fuel rocket engines. POWER UNITS: The mixture of carbon-hydrogen and boron was used as liquid fuel; liquid oxygen was used as oxidizer. The 2.4 : 1 mixture was used in all stages. The first stage had (at sea level) approximately 300 tons of thrust; main engine about 220 tons, auxiliary engines about 40 tons each. The auxiliary engines stayed with the rocket up to 2,000 m altitude where the thrust of the main engine increased by 16%, i.e. 255 tons. After the first stage burned out, the second stage fired, but the first stage was not released for 2.5 second. The third stage was released the same way. The outlet nozzles as well as the combustion chambers walls were lined with wolfram. Just as the "Sputnik" rockets, the MECHTA CH-10 engines had a mixing chamber in front

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of the combustion chamber. This arrangement made it possible to create 24.4 kg/cm^2 of pressure in the combustion chamber, which, due to expansion in the outlet nozzle, was reduced to 0.7 kg/cm^2 . In spite of $3,200^\circ\text{C}$ working temperatures, the temperature of the combustion chambers and nozzles was held at the maximum of 600°C by an effective cooling system. The fuel, led thru special channels around the combustion chambers was used as coolant. The temperature of the walls was controlled by thermostats which in turn controlled the fuel flow. The heated fuel returned to the tanks to mix with cold fuel. The fuel injection pressure was between 135 and 180 kg/cm^2 . The amount of thrust was controlled by an integrator which was coupled with the third stage. The fuel and oxygen injectors of the third stage were equipped with magnetic needle valves. The valve action was controlled by magnetic contacts which were guided by

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Technical Details of a Cosmic Rocket

means of perforated program cards. The fuel pumps, in all stages, were powered by steam turbines. Hot gases taken from combustion chambers were used to make steam; at the take-off, when enough hot gases were not available, special pressure equipment was used to produce steam. LAUNCHING: Five seconds prior to take-off all gyroscopes and the first stage rocket engine run at full r.p.m. During the last five seconds, the rocket weight including the fuel tanks was obtained and "passed on" to the main computer. At the same time, the outside fuel lead was disconnected and the first stage fuel lead connected. All the previously mentioned actions were fully automatic. The moment the 2 auxiliary engines started to work the rocket was released from its gantry structure. GUIDANCE: The guidance system was installed in the third stage. The ground guiding station was located 1 km from the launching pad. The entire guidance system worked according to a prepared "program";

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the "program" equipment was supplemented by an additional long distance lead beam. The ideal (desired) course was pressed in a perforated aluminium card and was transmitted to the guidance system by two electronic computers. A similar aluminium card controlled the turning of the guidance transmitter antenna. The two guidance computers in the rocket were synchronized with the ground computer. The ground transmitter which guided the rocket by the lead beam, had 5,000 W output and operated on the 12 cm wavelength; the antenna was about 26 m in diameter. TRACKING: The rocket was tracked by 13 ground stations (1 main and 12 auxiliary) throughout the USSR which were equipped with Doppler, radar and photodolitic instruments. All three types of equipment were mounted on a common carrier.

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COUNTRY : CZECHOSLOVAKIA
CATEGORY :

F

ABST. JOUR. : Rozhl., No. 3 1959, No. 10226

AUTHOR : Pokorny, J., Salanska, V.

INST. :

TITLE : The Lipids of Mycobacterium tuberculosis var. maris-Wells

ORIG. PUB. : Rozhl. tuberk. a nemococh. plicatch, 1958, 18, No 4, 292-297

ABSTRACT : No abstract.

CARD: 1/1

POKORNY, J.

"Kakac, B. Remarks on the solidification of vegetable oils in our plants. p. 578."

PRUMYSL POTRAVIN. Praha, Czechoslovakia. Vol. 9, no. 11, 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59 unclas

POKORNY, J.; SALANSKA, V.; SULOVA, J.

A comparative study of the lipids of virulent and nonvirulent mycobacteria. Cas.lek.cesk 101 no.2:41-47 12 Ja '62.

1. Vyzkymny ustav tuberkulozy v Praze, reditel doc. dr. R. Krivinka.

(MYCOBACTERIUM chemistry) (LIPIDS chemistry)

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A205/A126

26.1400

AUTHOR: Pokorný, J., Engineer

TITLE: Electrical propelling systems for space rockets

PERIODICAL: Křídla vlasti, no. 5, 1961, 14 - 16

TEXT: The article describes research work on electrical propelling systems, performed in the USSR and the USA with the purpose of increasing speed and payload of space rockets. Three electrical propelling systems are presently under development. (1) The electro-thermal system employs an electric arc to heat the fuel gas, which expands rapidly and escapes with high speed thru nozzles. Laboratory tests, performed with hydrogen, heated to 3,000°K, produced escaping velocities of 10 - 11 km/sec, which can be increased to 20 - 25 km/sec, when other gases are used. The thrust of an electro-thermal rocket engine can be controlled either by changing the fuel-gas admission, or by changing the heating intensity. However, basic problems, such as arc stability and cooling of electrode and chamber walls, must still be solved. Temperatures of cooled combustion-chamber walls still reach 12,000°K which is far above the melting point of the material used. (2) The electrostatic system is fueled by liquid cesium, slowly pressed-out from

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Electrical propelling systems for space rockets

a metal container and atomized into a signification chamber with heated walls. When the atomized metal reaches the walls, it is immediately evaporated and proceeds, by its own pressure, into an ion engine. Part of the vapor is led back to the container for pressing-out additional liquid cesium. The ion engine contains a tungsten grille which, at a temperature of $1,400^{\circ}\text{K}$, ionizes 99% of the passing cesium gas. A cathode accelerator gives the cesium ions a speed of 10 - 200 km/sec, which would be able to propel a rocket with a speed of several tens of km/sec. The design of an ion engine is already completed, however, the problem of neutralization of ion current (consisting of positive, heavy ions, and negative electrons) must still be solved. Since the ratio of escaping electrons to ions is 1: 250,000, the entire rocket is statically charged and its speed is partially hindered by the different speed of electrons and ions. It is expected that the ion to electron ratio can be equalized by a special arrangement of the tungsten grille. (3) The electrodynamic (magnetohydrodynamic) system eliminates the necessity to neutralize positive and negative particles, since it employs the so-called '4th state of matter', the neutral plasma. Tests indicated, that particles of a plasma are moving in an electromagnetic field with uniform speed in a direction normal to lines of force, and that discharge speeds up to 1,000 km/sec can be achieved. A plasma engine is fueled with a gas (liquefied oxygen or ni-

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trogen), which is converted into plasma at 10,000°K and its expansion is aligned by an electromagnetic path. The face walls of the cylindrical 'combustion chamber' are formed by 2 disk-shaped electrodes, its jacket (which has no walls) is surrounded by a strong electromagnetic field. At the same instance, when the gas is admitted between the electrodes, a voltage of 6,000 v is applied to the electrodes with an automatic switch from a capacitor. The gas is immediately converted into plasma, which by itself creates an electromagnetic field on its periphery. In case, additional current is applied to the electromagnetic field, the plasma cylinder contracts (in direction of its axis), till it is entirely forced-out thru an opening (nozzle) into one of the electrodes. The entire process lasts only some microseconds, so that electrodes are exposed to high temperatures only for a short time. The admission of the gas between the electrodes must be precisely synchronized with application of the current to electrodes. According to preliminary calculations, it is expected, that electrodynamically driven rockets will reach a speed of up to 200 km/sec. The electric power for the described propelling systems could be produced by the sun or by atomic reactors. Exploitation of solar energy would require large surfaces of solar batteries or large parabolic mirrors. (1 cm² of a mirror, which delivers 0.13 w on the earth would deliver only 0.055 w on the Mars). More advantageous are atomic reactors, especially those for direct conversion of nuclear into electric energy,

Card 3/4

HAVLIK, O. [deceased]; POKORNY, J.; ZASTERA, M.

Method of experimental research in a focus of leptospira. J.hyg.
epidem., Praha 4 no.4:494-503 '60.

1. Institute of Epidemiology and Microbiology, Prague.
(LEPTOSPIRA)

POKORNY, J.; MARES, E.

Various methods of manufacturing pure higher fatty acids, P. 202

PRYMSL, POTRAVIN. Praha, Czechoslovakia, Vol. 10, no. 4, April 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959.
Uncl.

REINIS, Z.; POKORNY, J.; HRABANE, J.; MESTAN, J.

Relation of serum lipoproteins to organic complications in atherosclerosis. Sborn. lek. 61 no.11-12:331-338 Nov 59.

1. IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. M. Fucik.
(ARTHERIOSCLEROSIS, blood) (LIPOPROTEINS, blood)

POKORNY, J.

"A landslide in Lipowica on May 13, 1957"

p. 79 (Czasopismo Geograficzne, Issued by the Polish Geographical Society; with French summaries-quarterly, Vol. 29, No. 1, 1958, Wroclaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

POKORNY, J.

TECHNOLOGY

Periodical CZECHOSLOVAK HEAVY INDUSTRY. No. 12, 1958.

POKORNY, J. Modern Tatra railway carriages. p. 26.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

POKORNY, J. 10

CO

Processes and Properties Index

The slow combustion of 2-methyltricosane. S. LANDA AND J. POKORNY. *Collection Czechoslov. Chem. Communications* 6, 456-52; *Chem. Listy* 26, No. 20, 812-15 (1932).—The object of this investigation of the slow combustion of 2-methyltricosane, $\text{Me}(\text{CH}_2)_{21}\text{CHMe}$, was to det. whether Me_2CO is formed by the rupture of the side-chain. Me_2CO was found, but in very small quantity (2 g. of the theoretical 82 g.). It therefore does not seem to be a normal product of combustion. As a variety of aldehydes are formed, the chain is broken at a no. of points. The acetone formed in the slow combustion of natural paraffins must be due to more highly branched hydrocarbons. ALFRED HOFFMAN

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

62-137 ONE ONE 151

Pokorný, J. CZECH

Estimation of calcium and zinc in hardened resin. I.
Pokorný and J. Přibyl (Pragolab, n.p., Prague). Chem.
Zvesti 8, 320-32 (1954).—The resin was dissolved in pure
xylene, and Ca and Zn were extd. by HCl and detd. by volu-
metric soln. of complexon III (Schwarzenbach, C.A. 43,
7304i; 7360a). Jan Micka

61

Pokorny, J.

5

The determination of drying metals in driers. J. Pokorny and J. Pihyl (Chemia 02 XI, Prusolok, Prague). Chem. Zvesti 9, 20-8(1955).—A simple and rapid method was developed for volumetric detn. of Co, Zn, Pb, Mn, Cu, and Ca in the form of naphthenates, linoleates, and oleates. These metals are detd. by a standard soln. of "Komplexon III" after the extrn. with mineral acids.

Jau Mleka

MB
of ① gm.